



IEEE P1722.1-REV New AECP AEM Commands

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SUPPORTED_COMMANDS

- Bitmask of which commands are supported
- Can be queried to determine what commands are implemented
- Possibly use hierarchy of features

GET_PATH_LATENCY

- Returns the path_latency field value from the AUDIO_CLUSTER, VIDEO_CLUSTER and SENSOR_CLUSTER descriptors
- Can be sent as an unsolicited response as part of a path change inside the unit.

GET/SET_SAMPLING_RATE_RANGE

- Sets or Gets the sampling rate range of a VIDEO_UNIT

CHANGE_STREAM_ENCRYPTION

- Tells the entity when to change the encryption key used to encrypt streaming traffic
- Provides a gPTP time which specifies when the new key is to start taking effect

CHANGE_TRANSPORT_ENCRYPTION

- Tells the entity when to change the encryption key used to encrypt AVDECC (and similar) messages
- Provides a gPTP time when the change should take effect.

GET_MSRP_TALKER_ATTRIBUTES

- Get the MSRP Talker Attributes that are being advertised on an interface
- Targets an AVB_INTERFACE

GET_MSRRP_TALKER_FAILED_ATTRIBUTES

- Get the MSRRP Talker Failed Attributes that are being advertised on an interface
- Targets an AVB_INTERFACE

GET_MSRRP_LISTENER_ATTRIBUTES

- Get the MSRRP Listener Attributes that are being advertised on an interface
- Targets an AVB_INTERFACE

GET_MSRP_DOMAIN_ATTRIBUTES

- Get the MSRP Domain Attributes that are being advertised on an interface
- Targets an AVB_INTERFACE

GET_MSRRP_BANDWIDTH

- Get the outbound MSRRP Bandwidth that is being used on a port
- Targets an AVB_INTERFACE

GET/SET_MAX_TRANSIT_TIME

- Sets the Max Transit Time that is used for a stream (used to change the latency of a stream)
- Targets a `STREAM_OUTPUT`

GET_COUNTERS_HISTORY

- Gets the number of seconds? since the last time a counter was updated
- Matches the GET_COUNTERS command

GET_ACMP_RX_STATE

- The equivalent of an ACMP GET_RX_STATE command but sent via AECF
- Targets a STREAM_INPUT

GET_ACMP_TX_STATE

- The equivalent of an ACMP GET_TX_STATE command but sent via AECF
- Targets a STREAM_OUTPUT

GET_ACMP_TX_CONNECTIONS

- Almost equivalent of the ACMP GET_TX_CONNECTION command but will fetch multiple
- Targets a STREAM_OUTPUT